

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	2706	250/214.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/06 13:04
S3	11	("3996461"   "4158133").PN. OR ("5216237").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:16
S4	13	("3179808"   "3237012"   "4663524"   "4746793"   "4847492"   "4850692"   "5065015").PN. OR ("5216248").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:16
S5	10	("3631251"   "4419011"   "4511248"   "4906839"   "4983009").PN. OR ("5298735").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:17
S6	27	("4733067"   "4736231"   "4764931"   "4772784").PN. OR ("4906839").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:17
S7	5	("3986255"   "5197654"   "5234153"   "5280414"   "5298735").PN. OR ("5917200").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:18
S8	16	("4906839"   "5123024"   "5239189"   "5298735"   "5491712"   "5577064"   "5631987"   "5648979"   "5757836"   "5761229"   "5799030"   "5812582"   "6037644"   "6069905"   "6081638"   "6377592").PN. OR ("6697396").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:19

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S9	25	(US-20050279919-\$ or US-20050189474-\$ or US-20050189473-\$ or US-20050167573-\$ or US-20050161587-\$ or US-20050023442-\$ or US-20050023441-\$).did. or (US-5907151-\$ or US-5359190-\$ or US-5350916-\$ or US-5345074-\$ or US-5298735-\$ or US-5283428-\$ or US-5216248-\$ or US-5216237-\$ or US-5298742-\$ or US-6697396-\$ or US-5917200-\$ or US-4983009-\$ or US-4906839-\$ or US-6169295-\$ or US-5991249-\$ or US-5914480-\$ or US-5500912-\$ or US-5091642-\$).did.	US-PGPUB; USPAT	OR	ON	2006/02/06 13:19
S10	16	("4906839"   "5123024"   "5239189"   "5298735"   "5491712"   "5577064"   "5631987"   "5648979"   "5757836"   "5761229"   "5799030"   "5812582"   "6037644"   "6069905"   "6081638"   "6377592").PN. OR ("6697396").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/06 13:20
S11	5	((("5606572") or ("4989051") or ("5132982") or ("5101465") or ("4433898")).PN.	USPAT	OR	OFF	2006/02/07 14:26
S12	57	("5115442"   "5136603"   "5162878"   "5317170"   "5331654").PN. OR ("5606572"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:27
S13	9	("4433898"   "4989051"   "5101465"   "5132982"   "5606572"   "5821530"   "5925898"   "5943357"   "6005262").PN. OR ("6991381"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:29
S14	32	("4879470"   "4894699"   "5031017"   "5266794"   "5798826"   "5811866").PN. OR ("6005262").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:30
S15	24	("5574744"   "5577064"   "5606572"   "5732101"   "5809050").PN. OR ("5943357"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:31
S16	28	("5255333"   "5600741").PN. OR ("5925898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:32

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S17	9	("3901607"   "3996476"   "4457582"   "4666236"   "5201018"   "5204520"   "5247530").PN. OR ("5821530").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:33
S18	23	("4833511"   "4949350").PN. OR ("5132982").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/07 14:34
S19	89674	dipl adj3 ing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:40
S20	89391	dipl adj1 ing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:40
S21	182	ing adj dipl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:40
S23	0	schorodinger and (laser or opto)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:40
S22	4	ing adj dipl and (laser or opto)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:41
S24	263	schrodinger and (laser or opto)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:41
S25	29	(schrodinger adj karl) and (laser or opto)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:50

## EAST Search History

S27	195	385/88.ccls. and ((monitor or detector) and circuit and optoelectr\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:52
S28	388	385/92,93,14.ccls. and ((monitor or detector) and circuit and optoelectr\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 14:55
S29	104	385/92,93,14.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:09
S30	8	372/96.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:09
S31	0	372/43.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:09
S33	2	372/36,50.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:10
S32	5	372/29.02,108.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:11
S35	10	257/81.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:12

## EAST Search History

S34	19	250/214.1,239.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:13
S36	31	257/98,99,432.ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:14
S37	33	"372"/\$\$\$ccls. and ((monitor or detector) and circuit and optoelectr\$4 and (flip adj3 chip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:14
S26	2134	385/88.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:15
S38	2134	385/88.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 15:19
S39	943	372/43.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 18:22
S40	2709	250/214.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/07 18:22

## EAST Search History

S41	60	(US-20050279919-\$ or US-20050161587-\$ or US-20050167573-\$ or US-20050189473-\$ or US-20050189474-\$ or US-20050023441-\$ or US-20050023442-\$ or US-20010017376-\$ or US-20050062122-\$ or US-20020185588-\$).did. or (US-5298735-\$ or US-6697396-\$ or US-5283428-\$ or US-6670599-\$ or US-5907151-\$ or US-5216237-\$ or US-5359190-\$ or US-5600130-\$ or US-5900619-\$ or US-4983009-\$ or US-4906839-\$ or US-6169295-\$ or US-5991249-\$ or US-5500912-\$ or US-5132982-\$ or US-5101465-\$ or US-4989051-\$ or US-6991381-\$ or US-6922424-\$ or US-5917200-\$ or US-5914480-\$ or US-6835963-\$ or US-6659659-\$ or US-5974071-\$ or US-5943357-\$ or US-5091642-\$).did. or (US-5606572-\$ or US-6005262-\$ or US-5925898-\$ or US-5821530-\$ or US-6836321-\$ or US-5574744-\$ or US-6878971-\$ or US-6858879-\$ or US-6246081-\$ or US-6060729-\$ or US-6759687-\$ or US-6987613-\$ or US-6690845-\$ or US-6757308-\$ or US-6558976-\$ or US-6611635-\$ or US-5513021-\$ or US-5149958-\$ or US-6635866-\$ or US-6982437-\$ or US-5216248-\$ or US-5345074-\$ or US-5298742-\$ or US-5350916-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/02 09:19
S42	57431	detector and circuit and substrate	US-PGPUB; USPAT	OR	ON	2006/09/02 09:19
S43	23	S41 and (detector and circuit and substrate)	US-PGPUB; USPAT	OR	ON	2006/09/02 09:21
S44	16	S41 and (detector and circuit and substrate) and (array)	US-PGPUB; USPAT	OR	ON	2006/09/02 09:28
S45	2145	(optoelectronic) and (detector and circuit and substrate) and (array)	US-PGPUB; USPAT	OR	ON	2006/09/02 09:28
S46	1160	(optoelectronic and arrangement) and (detector and circuit and substrate) and (array)	US-PGPUB; USPAT	OR	ON	2006/09/02 09:28
S47	489	(optoelectronic and arrangement) and (detector and circuit and substrate) and (array) and print\$4	US-PGPUB; USPAT	OR	ON	2006/09/02 09:29

## EAST Search History

S48	10	laser and monitor and circuit and substrate and resonator and vcsel and integrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:40
S49	2	laser and monitor and circuit and resonator and vcsel and (integrate near5 substrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:41
S1	0	250/241.1.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:50
L2	0	372/50.21.ccls. and (laser and monitor and circuit and substrate and resonator and vcsel and integrate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:51
L3	217	372/50.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 14:51